

RF OVERLAY EDFA / EYDFA AMPLIFIER EDFA 812 / EDFA 816 / EDFA 1617 / EDFA 3219

FTTx PON compatible (EPON/GEPON/GPON)

8, 16 & 32 optical output ports with 24, 27, 31 & 37 dBm models

Low noise preamplifier. Very low degradation of CNR and MER

No need to cascade different EDFAs

Very low noise factor

Dual power supply

Control and monitoring via SNMP

REFERENCE		EDFA 812	EDFA 816	EDFA 1617	EDFA 3219
Code		310023	3100210	310011	310022
Connections					
Optical ports for OLT	N.	8	8	16	32
Output optical ports	N.	8	8	16	32
Input					
Working wavelength (CATV)	nm	1540 - 1563			
Pass wavelength (OLT)	nm	1310 / 1490			
Input optical power (CATV)	dBm	±10			
Output					
OUT optical power	dBm / mW	24/250	27/500	31/1260	37/5000
Adjust optical output power	dB	0...6			
Optical output power per port	dBm	12	16	16,5	19,2
Difference of each port optical power	dB	±0,5			
Working wavelength (CATV) attenuation	dB	<0,8			
OLT wavelength attenuation	dB	<0,8			
Output power monitoring	dB	-20			
Loss / Gain dependence polarization	dB	0,3 / 0,4			
Noise figure	dB	<5,5			
IN - OUT					
CATV - OLT Isolation	dB	>40			
IN - OUT Isolation	dB	30			
Optical connectors		SC/APC			
Mains feeding					
Alimentación	Vac / Hz	90-265 / 50-60			
Voltage	W	<50			
Number of PSUs	N.	2			
General					
Management interface		SNMP - RJ45			
Serial Interface		RS-232			
Ports		Ethernet - LAN RJ45			
Display / Buttons		LCD / 4			
STATUS LEDs		Pump, Input, Alarm, Power 1, Power 2			
Working temperature	°C	-5...65			
Dimensions	mm	1xU Rack 19"			2xU Rack 19"



EDFA 816



EDFA 1617



EDFA 3219



EDFA 816

APPLICATION EXAMPLE

